

Cerambycidae from Harrisburg, Pennsylvania, and vicinity, with notes (Coleop.).*

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Having accumulated notes and data on collecting and rearing longhorn beetles, we give the results, thinking they may be of some interest to others.

The region about Harrisburg is quite variable, affording a great variety of food plants. Here and there are small groves of dying hickory trees which are ideal for night collecting, and on the mountain sides along the edge of woods are patches of wild hydrangea, rose and Jersey tea. When these plants are in bloom, they are visited by a number of species, especially the tribe Lepturini, and on a warm day the blossoms are swarming with insects feeding on the pollen. Near Harrisburg a pipe line has been laid across the mountains and the trees have been cut down for a number of feet on each side of this line, leaving an open space through the dense woods. A great many insects are attracted to this open space from the surrounding woodlands and are found during the warm part of the day swarming over the blossoms, or nesting on the upper side of the leaves, apparently indulging in the luxury of a sun bath.

A great deal of our collecting was done in the usual way, by sweeping flowers and beating dead branches, but the most interesting was the collecting at night with an acetylene light. A number of the species that are seldom taken during the day time, and which seem apparently rare, were secured in numbers by this method of collecting. Some of the species were found running up and down the tree trunks, while others were ovipositing in the dying trees. When the light was thrown on the tree trunks, the insects on them would remain motionless until the light was removed, when a slight touch would cause them to fall into the cyanide bottle.

During the early months when the ground was still frozen

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and very few insects could be collected, we devoted most of our time collecting the dead limbs, twigs and sections of trees that were infested, and placed them in cages for rearing. By collecting material from a variety of trees in different localities, we were able to get a number of interesting rearing notes. So far, most of our rearing has been from material from deciduous trees.

In all cases, unless otherwise stated, the material was collected by the authors.

ORTHOSOMA Serv.

brunneum Forst.—Highspire, VIII—17—07 on oak stump; Ingle-nook, VIII—16—08 in rotten log.

PRIONUS Geoff.

laticollis Dru.—Harrisburg, VII—23—08, VII—15—10; only females taken at night; ovipositing in oak trees.

imbricornis Linn.—Heckton Mills, VI—22—10 on chestnut tree.

TRAGOSOMA Serv.

harrisii Lec.—Carlisle Jc., VII—4—08 flying along pipe line.

SPHENOSTETHUS Hald.

taslei Buq.—Harrisburg, VIII—1909 on beech tree (Coll. by A. B. Champlain).

CRIOCEPHALUS Muls.

agrestis Kirby—Harrisburg, VII—18—08 flying.

obsoletus Rand.—Harrisburg, VII—7—10 flying along street in city; VI—20—11 (J. A. Smith).

SMODICUM Hald.

cucujiforme Say.—Harrisburg, VII—6 to VII—20 on fallen oak trees at night and under bark during the day time; Highspire, VII—10—09, beating.

PHYSOCNEMUM Hald.

brevilineum Say.—New Cumberland, VII—4 to VII—11; West Fairview, VII—2—10, running on trunks of living elm trees during the day time; Harrisburg, V—7—10, pupa under bark of fallen elm tree.

RHOPALOPUS Muls.

sanguinicollis Horn.—Heckton Mills, VI—21—09, on pitch pine.

HYLOTROPUS Serv.

bajulus Linn.—Carlisle Jc., VI—27—09, on pine log; Highspire, V—30—06, on hickory; Harrisburg, VII—19—07; Mechanicsburg, VI—20—08.

ligneus Fab.—Mount Gretna, VII—20—06, on cedar stump.

PHYMATODES Muls.

variabilis Fab.—Harrisburg, VI—12—08; New Cumberland, VI—4—08; Heckton Mills, VI—15—09; Highspire, VI—15—09, on poplar tree.

amoenus Say.—Harrisburg, V—30—09; Highspire, VI—19—09; Camphill, V—31—09; reared in numbers from dead wild grape collected in various localities.

varius Fab.—Heckton Mills, V—31—09, beating.

CALLIDIUM Fab.

aereum Newm.—Carlisle Jc., VI—22—09, on chestnut shoots.

CHION Newm.

cinctus Dru.—Harrisburg, VI—18—07, at arc light.

EBURIA Serv.

quadrigeminata Say.—Harrisburg, VII—15 to VIII—4, on oak tree at night; Craighead, VII—18—08, on hickory tree; Highspire, VII—27—07.

ELAPHIDION Serv.

mucronatum Fab.—Harrisburg, VI—24 to VII—15, on hickory trees at night; Perdix, V—2—11; reared from walnut, poison ivy and wild grape.

incertum Newm.—Heckton Mills, VI—25—08; Harrisburg, VII—11 to VIII—19, in numbers on mulberry tree, and frequently on hickory at night. Found breeding abundantly in mulberry tree.

villosum Fab.—In all localities; common. Frequently injurious to fruit and shade trees; reared from wild grape.

unicolor Rand.—Harrisburg, VII—21—09, on mulberry; Heckton Mills, VI—25—08, on wild grape; Highspire, VI—30—05.

TYLONOTUS Hald.

bimaculatus Hald.—Harrisburg, VI—20 to VII—30, on ash trees at night.

HETERACHTHES Newm.

quadrimaculatus Newm.—Harrisburg, VII—12—09, on hickory tree at night; Rockville, VII—4—09; reared from hickory.

PHYTON Newm.

pallidum Say.—Lemoyne, reared from hackberry (A. B. Champlain).

OBRIMUM Serv.

rufulum Gahan.—Highspire, VII—11—08, beating; Lemoyne, reared from dead ash twigs.

MOLORCHUS Fab.

bimaculatus Say.—Rockville, V—6—09; Camphill, V—31—09; Lemoyne, III—12—11, adult cut from dead hackberry; Camphill, XI—3—11, adult cut from red bud.

RHOPALOPHORA Serv.

longipes Say—Rockville, VII—4—09; Harrisburg, VII—9—10, on flowers.

PURPURICENUS Serv.

humeralis Fab.—Carlisle Jc., VI—27—09, VII—4—08; Harrisburg, V—3—08, VI—25—09; Highspire, VII—4—07, female ovipositing in oak stump.

axillaris Hald.—Carlisle Jc., VII—4—08.

BATYLE Thom.

suturalis Say—In all localities on flowers; common.

CYLLENE Newm.

caryae Gahan.—In all localities from III—25 to V—10, on wood piles; Lemoyne, reared from wild grape.

robiniae Forst.—In all localities from VIII to X; common on golden rod flowers; breeds in locust.

CALLOIDES Lec.

nobilis Say—Highspire, VI—6—08, on cultivated grape; Carlisle Jc., VI—27—09.

ARHOPALUS Serv.

fulminans Fab.—Carlisle Jc., VI—27—09; Harrisburg, VI—12—09, flying along street, VII—13—09, at arc light; Rockville, VII—23—10, on fallen oak tree at night.

XYLOTRECHUS Chev.

colonus Fab.—In all localities, common; reared from hickory bark, elm, thorn and other trees.

sagittatus Germ.—Mount Hope, VIII—27—07, flying.

quadrimaculatus Hald.—Inglenook, VI—20—09; Highspire, reared from Norway maple limb.

undulatus Say—Inglenook, VI—20—09.

nitidus Horn—Highspire, VI—19—10; Inglenook, VI—11—11.

NEOCLYTUS Thom.

scutellaris Oliv.—Harrisburg, VII—15—10, on oak tree.

luscus Fab.—Harrisburg, VII—7—08, on hickory trees at night; reared from hickory limbs.

caprae Say—Highspire, V—8—09; Lemoyne, III—29 to IV—23, on ash wood pile.

erythrocephalus Fab.—In all localities, common, breeds in all kind of wood.

longipes Kirby.—Lemoyne, IV—17—09, on ash wood pile.

CLYTANTHUS Thom.

ruvicola Oliv.—Perdix, V—27—11, VI—1—11; Inglenook, V—28 to VI—26; Carlisle Jc., VI—24—10; on flowers.

albofasciatus Lap.—Camphill, X—1—10, running on rotten log; Lemoine, Harrisburg, reared from wild grape.

CYRTOPHORUS Lec.

verrucosus Oliv.—Highspire, V—3—08; Rockville, IV—16—10; Harrisburg, XII—18—09, hibernating in dead limb.

EUDERCES Lec.

picipes Fab.—In all localities on flowers; common.

DISTENIA Serv.

undata Oliv.—Harrisburg, VII—7 to VII—15, on hickory trees at night.

DESMOCERUS Serv.

palliatus Forst.—In all localities on elder; common.

NECYDALIS Linn.

mellitus Say.—Harrisburg, VI—13—08; New Cumberland, VI—30—09 (Coll. by W. R. Walton).

ENCYCLOPS Newm.

caeruleus Say.—Inglenook, V—28—11, on flowers; Camphill, V—31—09, on hickory tree (Champlain).

RHAGIUM Fab.

lineatum Oliv.—Rockville, II—22—09, under pine bark.

CENTRODERA Lec.

decolorata Harr.—Carlisle Jc., VII—4—08, on flowers of Jersey tea.

picta Hald.—Inglenook, VI—11—11.

TOXOTUS Serv.

trivittatus Say.—Heckton Mills, V—31—09, on hackberry foliage; in all localities on flowers, V—26 to VI—21.

cylindricollis Say.—Inglenook, VI—17—11.

cinnamopterus Rand.—Camphill, V—31—09 (Champlain).

PACHYTA Serv.

monticola Rand.—Carlisle Jc., VII—4—08, on flowers.

ACMAEOPS Lec.

directa Newm.—In all localities on flowers; common.

GAUROTUS Lec.

cyanipennis Say.—In all localities, common; found in numbers ovipositing in fallen cherry tree.

BELLAMIRA Lec.

scalaris Say.—Inglenook, VI—9—11; Harrisburg, VI—12—11; Perdix, VI—10 to VII—1 on flowers.

STRANGALIA Serv.

famelica Newm.—In all localities on flowers; common.

acuminata Oliv.—Harrisburg, VI—17 to VI—26; Carlisle Jc., VI—24 to VII—4; on flowers.

luteicornis Fab.—In all localities on flowers; common.

bicolor Swed.—Carlisle Jc., VI—24 to VII—9; Inglenook, VI—11 to VII—18, taken mostly on wild rose flowers, not rare.

TYPOCERUS Lec.

lunatus Fab.—Carlisle Jc., VI—27—08, on Jersey tea blossoms.

velutinus Oliv.—In all localities on flowers; common.

lugubris Say.—In all localities on flowers; not rare.

LEPTURA Serv.

emarginata Fab.—Highspire, VIII—31—10, flying.

subhumata Rand.—Inglenook, VI—26—10, on dead hemlock.

lineola Say.—In all localities on flowers; common.

nitens Forst.—In all localities on chestnut and flowers; common.

cordifera Oliv.—Carlisle Jc., VI—24—10; Highspire, VII—27—07; Inglenook, VI—25—11; Heckton Mills, VII—4—09; on flowers.

rubrica Say.—In all localities on flowers; common.

vagans Oliv.—Carlisle Jc., VI—24 to VII—4, on flowers; Harrisburg, reared from hemlock.

proxima Say.—Inglenook, V—26 to VI—21; Linglestown, VI—6—09; Perdix, VII—1—10; not rare on flowers.

biforis Newm.—Carlisle Jc., VI—29—10, on chestnut; Inglenook, VI—20—09; Rockville, VII—4—08.

octonotata Say.—Inglenook, V—28 to VI—24; Linglestown, VI—6—09; on flowers.

vittata Germ.—In all localities on flowers; common.

pubera Say.—Inglenook, V—26—11, VI—20—09; on flowers.

ruficollis Say.—Carlisle Jc., VI—22—09, on flowers.

vibex Newm.—Inglenook, VI—20—10, V—28—11; on flowers.

aurata Horn.—Carlisle Jc., VI—22—09; on flowers.

mutabilis Newm.—Inglenook, V—26 to VI—17; Perdix, V—27 to VI—1; Linglestown, VI—6—09; on flowers.

CYRTINUS Lec.

pygmaeus Hald.—Carlisle Jc., VI—22—09, sweeping.

PSENO CERUS Lec.

supernotatus Say.—Camphill, V—31—09; reared in numbers from climbing bitter sweet collected in various localities.

MONOHAMMUS Serv.

titillator Fab.—Inglenook, V—28—11; Harrisburg, VII—18—10. VII—22—09.

scutellatus Say.—Harrisburg, V—27—07, on street in city.

notatus Dru.—Highspire, VII—18—11, VII—30—10; Perdix, VI—1—11; Harrisburg, VII—24—08, at arc light (Walton).

DORCASHEMA Lec.

wildii Uhler—Harrisburg, VI—26—09, on mulberry tree (Champlain).

alternatum Say.—Harrisburg, VI—12 to VII—6, on mulberry tree.

nigrum Say.—Highspire, VI—6—09; Eberlys Mill, VI—9—09; Harrisburg, VI—4—11; New Cumberland, reared from hickory.

HETOEMIS Hald.

cinerea Oliv.—Harrisburg, common on Mulberry; New Cumberland, reared from hickory.

GOES Lec.

pulchra Hald.—Harrisburg, VI—14—11, on hickory.

pulverulenta Hald.—Harrisburg, reared from dead elm.

ACANTHODERES Serv.

quadrigibbus Say.—Perdix, VI—18—11; Inglenook, VI—20—09.

decipiens Hald.—Harrisburg, VII—6—08, reared from cherry; Enola, VII—5—09.

LEPTOSTYLUS Lec.

parvus Lec.—Rockville, reared from climbing bitter-sweet.

macula Say.—In all localities; not rare.

LIOPUS Serv.

variegatus Hald.—Harrisburg, VI—24—07, at arc light; Lemoyne, reared from hackberry; Rockville, reared from climbing bitter-sweet; Harrisburg, reared from Virginia creeper.

alpha Say.—In all localities on sumac; common.

DECTES Lec.

spinus Say.—In all localities on rag-weed; common.

LEPTURGES Bates.

symmetricus Hald.—Harrisburg, reared from hickory; Lemoyne, reared from walnut.

signatus Lec.—Highspire, VI—26—08, on hickory; Lemoyne, reared from hackberry; Rockville, reared from climbing bitter-sweet.

querci Fitch—Highspire, VII—13—08; Harrisburg, VI—2—11; Rockville, reared from climbing bitter-sweet.

facetus Say—Highspire, VII—13—07, beating.

HYPERPLATYS Bates.

aspersus Say—Highspire, VII—2—09, on cherry tree; Harrisburg, VI—21—08.

maculatus Hald.—Harrisburg, V—19—09; Highspire, V—19—09, VI—22—07, on oak; New Cumberland, V—30—09.

GRAPHISURUS Kirby.

fasciatus DeG.—Common about Harrisburg on hickory, oak and beech.

ACANTHOCINUS Steph.

obsoletus Oliv.—Harrisburg, VII—6—08.

HOPLOSIA Muls.

nubila Lec.—Eberlys Mill, V—30—08 (Champlain.)

ECYRUS Lec.

dasycerus Say—Harrisburg, VII—4—09; Inglenook, VI—9—11.

EUPOGONIUS Lec.

vestitus Say—Highspire, reared from oak; Rockville, reared from climbing bitter-sweet; Harrisburg, reared from Virginia creeper.

subarmatus Lec.—Harrisburg, VI—27—08 on mulberry. Rockville, reared from climbing bitter sweet.

HIPPOPSIS Serv.

lemniscata Fab.—In all localities, collected by sweeping.

SAPERDA Fab.

calcarata Say.—Harrisburg, VII—10—07 at arc light (Walton).

candida Fab.—Inglenook, V—26—11; Perdix, VI—10—11; Highspire, VI—27—10; common on apple.

vestita Say—Harrisburg, VI—1 to VI—11 on linden.

discoidea Fab.—Harrisburg, VI—2 to VIII—19, only females taken at night, ovipositing in dying hickory trees, both sexes taken by beating during the day time. Reared from elm bark and hickory.

tridentata Oliv.—Harrisburg, V—7—10, VII—14—11; New Cumberland, reared from elm bark.

imitans Jout.—Rockville, V—20—10 (Walton); Harrisburg, VI—1 to VI—7 on linden and hickory.

lateralis Fab.—In all localities on hickory shoots; common.

puncticollis Say—Harrisburg, reared from Virginia creeper.

OBEREA Muls.

bimaculata Oliv.—In all localities on blackberry, common.

var. **tripunctata** Fab.—In all localities; common.

var. **basalis** Lec.—In all localities; common.

var. *affinis* Harr.—In all localities; common.

ocellata Hald.—Carlisle Jc., VII—4—08 on sumac; Heckton Mills, VI—22—10; Harrisburg, VI—11—10, VI—22—10.

tripunctata Swed.—In all localities; common.

var. *myops* Hald.—Heckton Mills, VI—25—08 flying; Inglenook, VI—21—10; Brandtsville, VI—14—10.

var. *mandarina* Fab.—In all localities; common.

gracilis Fab.—Carlisle Jc., VI—24—10; Heckton Mills, VI—21—09.

ruficollis Fab.—In all localities on sumac; not rare.

TETROPS Steph.

juvunda Lec.—Inglenook, VI—21—10 flying.

TETRAOPES Serv.

canteriator Drap.—Rockville, VII—29—06 on milk-weed.

tetraophthalmus Forst.—In all localities on milk-weed.

DYSPHAGA Lec.

tenuipes Hald.—Harrisburg, reared from beech twigs. Found in the pupa stage during winter.

Nezara viridula Linné, an Hemipteron new to the Northeastern United States.

By J. R. DE LA TORRE BUENO, White Plains, New York.

Nezara viridula was one of the species included by Linné in his comprehensive genus *Cimex*, in the tenth edition of the great *Systema Naturae*. Owing to its variable nature and world-wide distribution it has been redescribed under no less than twenty-one different specific names cited by Distant in the first volume of the Hemiptera part of the *Biologia Centrali-Americana*. It is recorded from the whole of Europe, except the extreme North, Asia, Africa, Malaysia, Australia, New Zealand, South America, at least in the north, Central America and enters into the United States at the south, being found in Texas and Florida; the former mentioned by Stal and the latter by Van Duzee.

It has been my good fortune to come into possession of a specimen taken in a greenhouse in Brooklyn, on December 10, 1911. So far as can be ascertained, this is the first authentic